

CLAIMS

What is claimed is:

1. A method of making an angle connector on an end of a flexible coaxial cable, comprising the steps of:
preparing a cable end of the flexible coaxial cable by successively trimming away a cable dielectric relative to an inner cable conductor, trimming away an outer cable conductor relative to the cable dielectric, and by trimming away a cable jacket relative to the outer cable conductor;
pushing a metal sleeve onto the prepared cable end to form an outer connector conductor;
soldering the outer cable conductor to the outer connector conductor;
placing the cable end with the outer connector conductor into a cavity of an injection mold having bend with a predetermined angle;
injecting a thermoplastic material into the cavity to form a molded part; and
removing the cable end with the attached molded part after a cool-down time.
2. The method of claim 1, wherein the angle connector is an elbow connector and the predetermined angle is 90°.
3. The method of claim 1, wherein the end of the inner cable conductor has an end which is conically tapered.

4. The method of claim 1, wherein the cable end is bent by the predetermined angle before insertion into the cavity of the injection mold.
5. The method of claim 1, wherein the predetermined angle is 90°.
6. The method of claim 1, and further comprising the step of providing a captive coupling piece, and pushing the metal sleeve forming the outer connector conductor together with the captive coupling piece onto the cable end.
7. A coaxial cable structure, comprising:
 - a coaxial cable including an outer cable conductor and having two cable ends, with at least one of the cable ends being bent, and
 - an angle connector disposed on the one cable end, said angle connector implemented by encapsulating the one cable end with thermoplastic material through injection molding and including a metal sleeve placed in contact with the outer cable conductor and defining an outer conductor of a cable connector.

8. The coaxial cable structure of claim 7, wherein the one cable end is bent by a 90° angle to form an elbow connector, said coaxial cable having a cable jacket which is trimmed away at the one cable end, said elbow connector including a molded part made of thermoplastic material and encapsulating the one cable end through injection molding in such a manner that a short portion of the coaxial cable is exposed beyond the molded part to attach the metal sleeve sufficiently enough for an end of an exposed inner cable conductor to form a plug pin of the cable connector and an end of an exposed cable dielectric to form a dielectric of the cable connector.
9. The coaxial cable structure of claim 8, wherein the inner cable conductor at the one cable end has one end which is conically tapered.
10. The coaxial cable of claim 7, and further comprising a coupling sleeve disposed of the metal sleeve and held captive by an outside collar of the metal sleeve .
11. The coaxial cable of claim 8, wherein the molded part has at least one reinforcement rib disposed in a plane of the 90° angle of the elbow connector.